

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P954041

Luminaire Tested: **GALN-SB7B-930-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-930-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

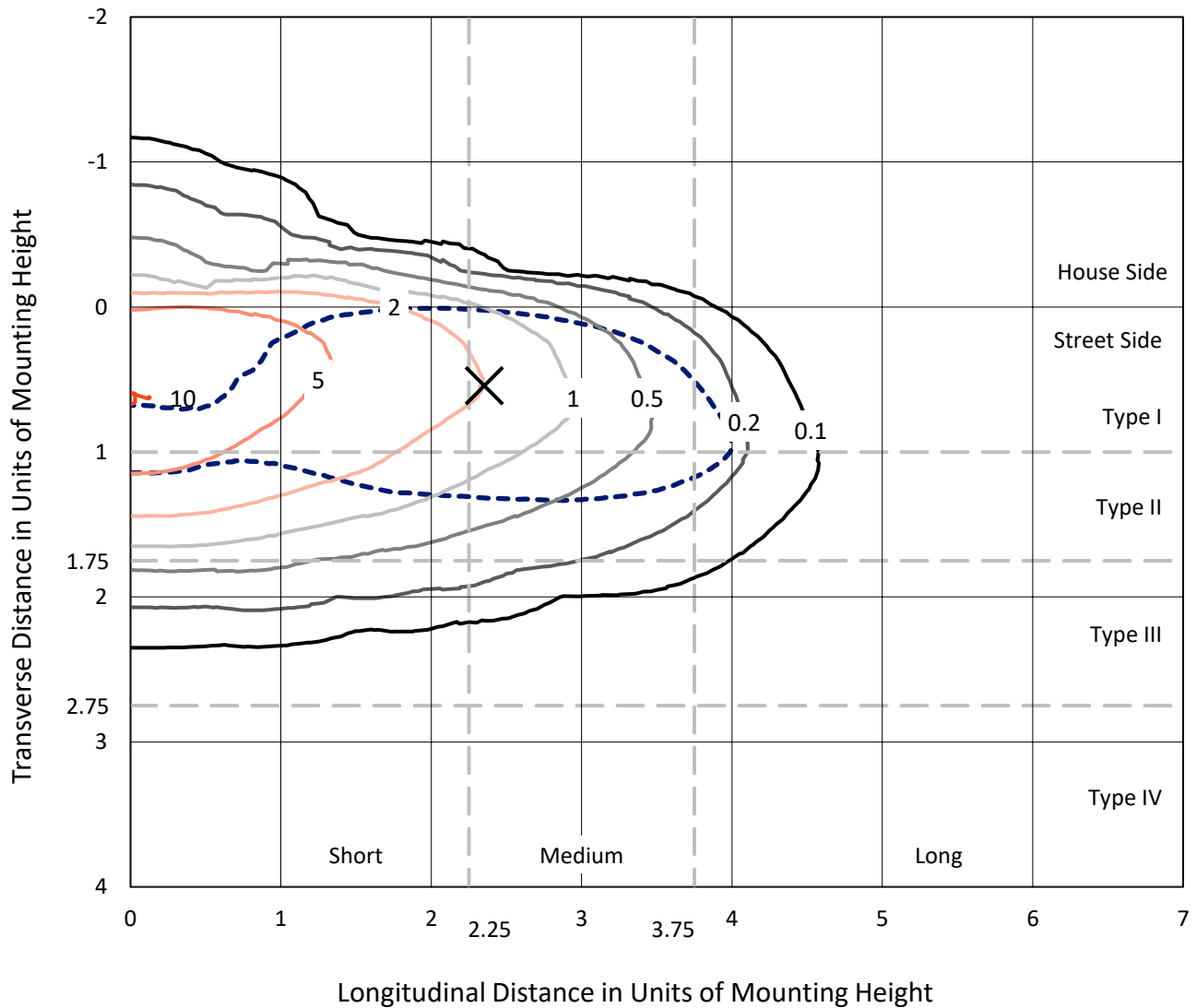
Lumens per Lamp: N/A  
Luminaire Lumens: 23587 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

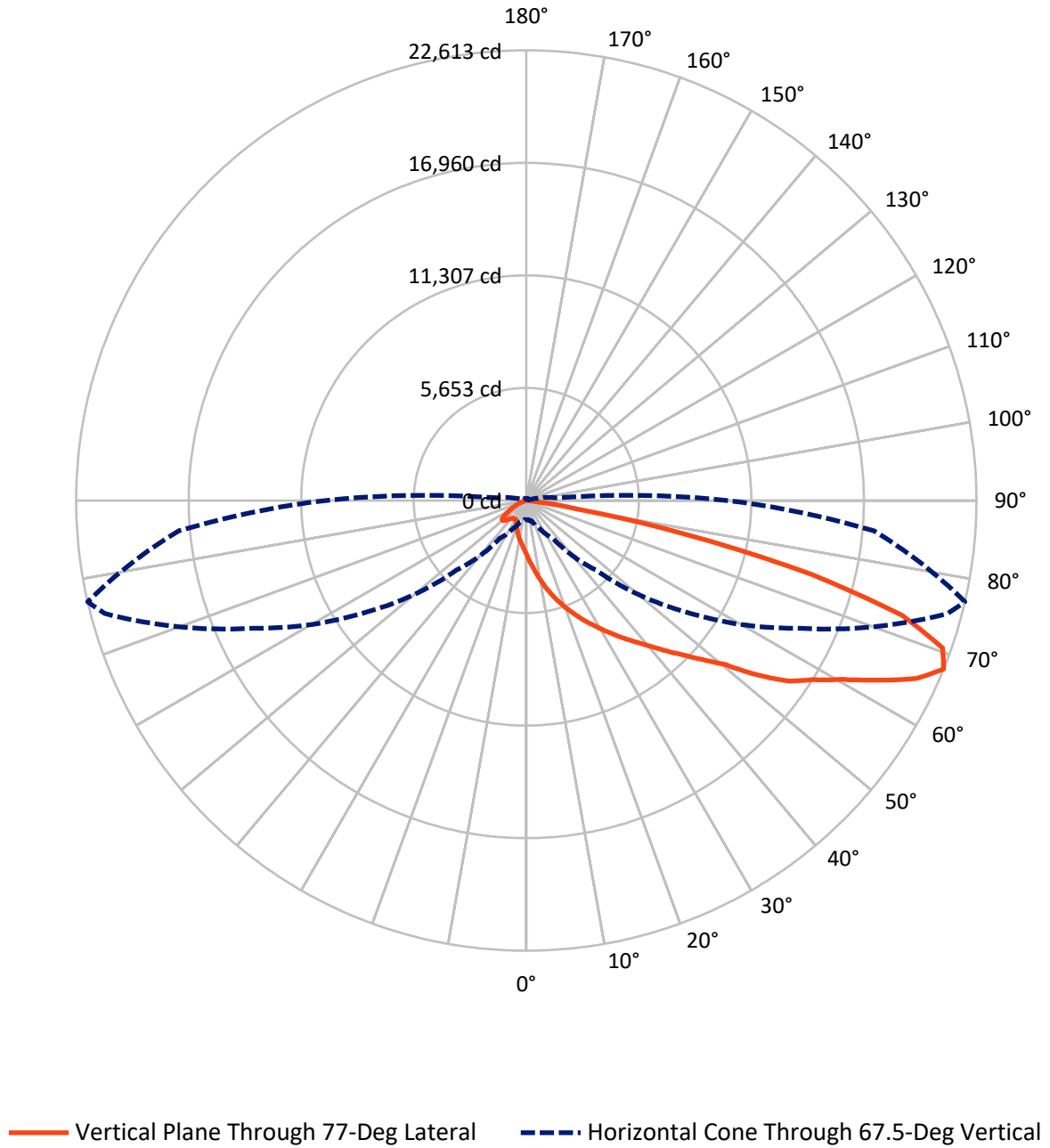
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1735.3	0.0	1735.3
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	21851.7	0.0	21851.7
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	23587.0	0.0	23587.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.6	1.2
10°-20°	972.2	4.1
20°-30°	1876.0	8.0
30°-40°	3256.9	13.8
40°-50°	4728.8	20.0
50°-60°	5430.4	23.0
60°-70°	4714.6	20.0
70°-80°	2220.6	9.4
80°-90°	109.8	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23587.0	100.0
0°-180°	23587.0	100.0

**Coefficient of Utilization**



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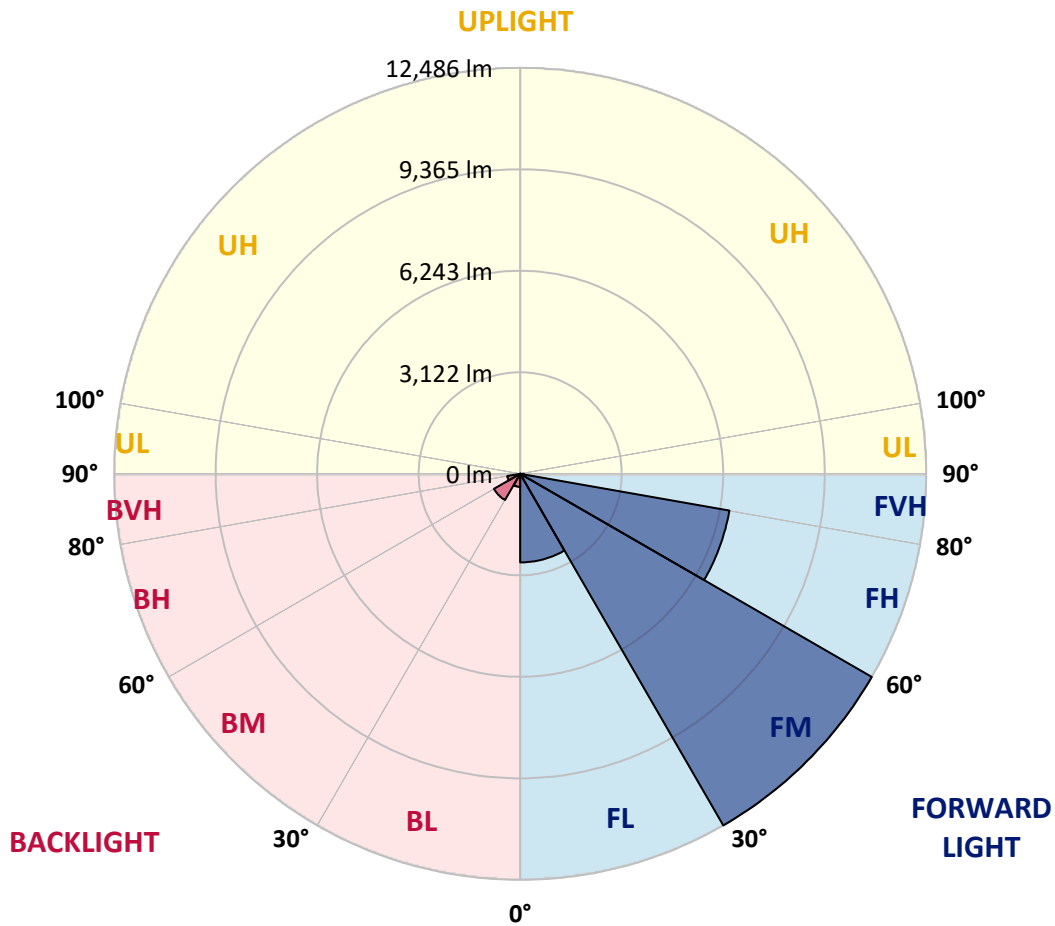
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2724.0	11.5			
FM (30°-60°)	12486.3	52.9			
FH (60°-80°)	6533.5	27.7			G3/7500
FVH (80°-90°)	107.8	0.5			G2/225
BL (0°-30°)	401.8	1.7	B1/500		
BM (30°-60°)	929.8	3.9	B1/1000		
BH (60°-80°)	401.7	1.7	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9
2.5°	3765.7	3789.2	3755.5	3691.0	3594.3	3531.4	3377.6	3232.6	3071.5	3020.2
5°	4590.3	4610.8	4572.8	4502.5	4373.6	4250.5	4048.4	3745.2	3430.3	3329.2
7.5°	5201.1	5212.8	5198.2	5133.7	5010.7	4871.6	4646.0	4287.1	3819.9	3708.6
10°	5640.5	5678.6	5674.2	5649.3	5567.3	5454.5	5214.3	4805.6	4256.4	4112.8
12.5°	5932.0	5974.5	5999.4	6055.0	6050.6	5978.9	5767.9	5335.9	4691.4	4523.0
15°	6016.9	6062.3	6157.6	6286.4	6400.7	6437.3	6289.4	5855.8	5170.4	4955.0
17.5°	5968.6	6038.9	6153.2	6356.8	6607.2	6772.7	6756.6	6358.2	5605.4	5359.3
20°	6075.5	6142.9	6232.3	6403.6	6695.1	6995.4	7115.5	6838.6	6037.4	5779.7
22.5°	6667.3	6655.5	6664.3	6692.2	6866.5	7163.8	7411.3	7275.1	6465.1	6201.5
25°	7604.7	7551.9	7462.6	7311.7	7267.8	7411.3	7669.1	7661.8	6916.3	6633.6
27.5°	8679.7	8671.0	8461.5	8098.3	7893.2	7837.6	7960.6	8038.2	7363.0	7061.3
30°	9709.4	9732.9	9450.2	9045.9	8669.5	8451.3	8339.9	8395.6	7817.0	7522.6
32.5°	10605.8	10630.7	10323.1	9850.0	9384.3	9120.6	8886.3	8748.6	8312.1	7991.3
35°	11363.1	11388.0	11035.0	10512.1	10015.5	9776.8	9511.7	9135.3	8810.1	8511.3
37.5°	12039.7	12032.4	11559.3	11032.0	10544.3	10355.4	10216.2	9611.3	9322.7	9034.2
40°	12439.6	12470.4	12066.1	11484.6	11011.5	10873.9	10865.1	10201.6	9914.5	9634.7
42.5°	12556.8	12611.0	12318.0	11840.5	11411.4	11262.0	11492.0	10840.2	10602.9	10330.5
45°	12345.9	12398.6	12265.3	11934.3	11683.8	11587.2	12031.0	11502.2	11338.2	11068.7
47.5°	11730.7	11796.6	11828.8	11758.5	11755.6	11853.7	12514.3	12199.4	12211.1	11935.8
50°	10539.9	10651.2	10947.1	11196.1	11581.3	12064.6	12984.5	12955.2	13195.4	12958.1
52.5°	8375.1	8533.3	9552.7	10233.8	11099.4	12025.1	13501.5	14167.9	14922.3	14575.1
55°	6730.2	6730.2	7559.3	8833.5	10159.1	11764.4	13727.1	14955.9	16098.4	16016.4
57.5°	5486.7	5552.6	6081.4	7207.7	8798.4	11143.4	13866.2	15451.0	17046.1	16986.0
60°	3386.4	3528.4	4527.4	5639.1	7250.2	10037.5	13778.3	15951.9	18195.8	18244.2
62.5°	1907.0	1959.8	2405.0	4057.2	5637.6	8550.9	13106.0	16231.7	19666.4	19871.4
65°	1316.8	1343.1	1514.5	2525.1	3907.8	6807.9	11792.2	16057.4	21139.9	21554.4
67.5°	956.4	969.6	1076.5	1542.3	2318.6	4936.0	9732.9	15178.6	21920.5	22613.3
70°	735.3	744.1	821.7	1013.6	1369.5	3046.6	7068.6	13431.2	21355.2	22182.7
72.5°	597.6	606.4	666.4	749.9	908.1	1801.6	4284.2	10907.5	18859.3	19752.8
75°	503.9	515.6	569.8	624.0	711.8	1157.1	2009.6	7595.9	14182.6	14768.5
77.5°	279.8	257.8	462.8	517.0	600.5	732.3	940.3	4470.2	7943.0	8105.6
80°	174.3	180.2	367.6	416.0	461.4	369.1	430.6	1721.0	2753.6	2615.9
82.5°	10.3	23.4	282.7	300.3	316.4	158.2	162.6	584.4	663.5	609.3
85°	0.0	0.0	128.9	104.0	109.9	45.4	46.9	136.2	89.3	96.7
87.5°	0.0	0.0	0.0	2.9	0.0	4.4	8.8	11.7	4.4	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2719.9	0°	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9	2719.9
2859.1	2.5°	2756.5	2654.0	2446.0	2242.4	2076.9	1923.1	1813.3	1709.3	1656.6	1653.6
3043.6	5°	2840.0	2624.7	2208.8	1841.1	1545.2	1308.0	1154.2	1044.3	988.7	969.6
3270.7	7.5°	2957.2	2633.5	2000.8	1489.6	1141.0	937.4	849.5	814.4	802.6	789.5
3527.0	10°	3105.1	2654.0	1814.7	1199.6	899.3	796.8	761.6	747.0	738.2	729.4
3815.5	12.5°	3270.7	2673.1	1630.2	996.0	790.9	738.2	713.3	695.7	684.0	673.8
4111.4	15°	3431.8	2684.8	1438.3	853.9	735.3	692.8	666.4	647.4	631.3	619.6
4401.4	17.5°	3591.4	2700.9	1258.2	769.0	689.9	647.4	621.0	597.6	584.4	571.2
4706.0	20°	3768.6	2698.0	1088.3	708.9	644.5	602.0	574.2	552.2	539.0	524.4
5028.3	22.5°	3932.7	2683.3	938.9	657.6	597.6	556.6	525.8	503.9	490.7	479.0
5357.8	25°	4121.6	2671.6	814.4	610.8	553.7	512.6	479.0	458.4	443.8	433.5
5688.9	27.5°	4303.3	2654.0	723.6	568.3	511.2	471.6	439.4	416.0	402.8	395.5
6030.1	30°	4481.9	2649.6	689.9	527.3	473.1	433.5	401.3	379.4	369.1	366.2
6405.1	32.5°	4697.3	2661.3	704.5	512.6	437.9	398.4	367.6	351.5	341.3	341.3
6822.5	35°	4927.2	2658.4	726.5	525.8	414.5	363.2	339.8	329.6	319.3	319.3
7285.4	37.5°	5215.8	2662.8	744.1	547.8	405.7	333.9	320.8	307.6	301.7	301.7
7792.1	40°	5646.4	2807.8	735.3	566.8	402.8	313.4	287.1	282.7	278.3	278.3
8364.8	42.5°	6173.7	3122.7	747.0	568.3	401.3	298.8	263.6	272.4	262.2	260.7
9010.8	45°	6750.8	3466.9	821.7	537.5	399.9	291.5	251.9	262.2	246.1	246.1
9759.2	47.5°	7323.4	3808.2	897.9	493.6	395.5	290.0	241.7	235.8	231.4	232.9
10734.7	50°	8112.9	4086.5	927.1	433.5	385.2	287.1	222.6	224.1	221.2	224.1
12110.1	52.5°	8972.7	4145.1	892.0	366.2	355.9	278.3	209.5	215.3	213.8	216.8
13078.2	55°	9508.8	4082.1	736.7	304.7	310.5	243.1	196.3	208.0	208.0	208.0
14024.4	57.5°	10062.4	3814.1	522.9	247.5	257.8	199.2	184.6	200.7	199.2	197.7
15163.9	60°	10460.8	3380.5	344.2	203.6	205.1	164.0	171.4	188.9	187.5	180.2
16338.6	62.5°	10758.1	2901.5	221.2	172.8	156.7	147.9	156.7	171.4	165.5	149.4
17334.6	65°	10724.5	2238.0	169.9	147.9	128.9	128.9	136.2	149.4	131.8	105.5
17525.0	67.5°	10099.0	1514.5	140.6	124.5	108.4	106.9	112.8	124.5	112.8	89.3
16549.5	70°	8981.5	990.1	112.8	96.7	86.4	79.1	90.8	106.9	95.2	71.8
14088.8	72.5°	7289.8	603.5	85.0	70.3	63.0	51.3	71.8	87.9	76.2	52.7
9797.3	75°	4716.3	307.6	58.6	45.4	33.7	30.8	52.7	65.9	52.7	32.2
4347.2	77.5°	1804.5	128.9	32.2	20.5	17.6	14.6	29.3	39.5	22.0	7.3
842.2	80°	347.1	54.2	16.1	10.3	8.8	5.9	4.4	2.9	0.0	0.0
149.4	82.5°	60.1	17.6	5.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
29.3	85°	20.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.3	87.5°	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°  
2719.9  
1650.7  
966.7  
786.5  
726.5  
670.8  
618.1  
569.8  
522.9  
477.5  
432.1  
395.5  
364.7  
341.3  
319.3  
301.7  
278.3  
259.2  
246.1  
232.9  
224.1  
216.8  
208.0  
197.7  
180.2  
146.5  
102.5  
86.4  
68.8  
49.8  
27.8  
5.9  
0.0  
0.0  
0.0  
0.0  
0.0

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